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Patent and Trademark Office

Attorney Docket No.: 81942.0002

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yasuyuki MURAKAMI

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

Execution Date: October 23, 2000

2. Name and address of receiving party(ies):

MURATA MACHINERY LTD.
136 Takeda, Mukaishiro-cho,
Fushimi-ku, Kyoto 612-8686, Japan

and

Masao KASAHARA
15-3, Aogei 4-chome, Mino-shi,
Osaka 562-0025, Japan

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: October 23, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Louis A. Mok, Esq.
HOGAN & HARTSON L.L.P.
500 South Grand Avenue, Suite 1900
Los Angeles, CA 90071

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) \$40.00

☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number:

50-1314

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Louis A. Mok

Date: November 1, 2000

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents
Box Assignments
Washington, D.C. 20231

ASSIGNMENT

Masao KASAHARA, a citizen of Japan, residing at 15-3, Aogei 4-chome, Mino-shi, Osaka 562-0025, Japan; Yasuyuki MURAKAMI, a citizen of Japan, residing at 39-13, Karahashi Nishihiragaki-cho, Minami-ku, Kyoto-shi, Kyoto 601-8468, Japan, hereinbelow called "Assignors", have made a certain invention in "ENCRYPTION METHOD, CRYPTOGRAPHIC COMMUNICATION METHOD, CIPHERTEXT GENERATING DEVICE AND CRYPTOGRAPHIC COMMUNICATION SYSTEM OF PUBLIC-KEY CRYPTOSYSTEM" described in the specification executed by us on an even date herewith preparatory to applying for Letters Patent therefor; and

WHEREAS, MURATA MACHINERY LTD., a corporation organized and existing under and by virtue of the laws of the State of Japan, and having offices and doing business at 136 Takeda, Mukaishiro-cho, Fushimi-ku, Kyoto 612-8686, Japan and elsewhere, and said Masao KASAHARA, hereinbelow called "Assignees", are desirous of securing the entire right, title and interest in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted thereon;

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by the said Assignees, and other good and valuable consideration, the receipt of all of which is hereby acknowledged, the said Assignors have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over unto each of the said Assignees, their successors and assigns, an undivided fifty percent (50 %) interest in the entire right, title and interest throughout the world in and to the said invention, application and Letters Patent, when granted, and in and to any divisions, continuations, improvements, reissues or extensions that may be made or granted on any of them;

TO HAVE AND TO HOLD the same to the full end of the term or terms for which said Letters Patent may be granted, as fully and completely as the same might be held by me had this sale and assignment not been made.

For the consideration aforesaid, I hereby covenant and agree to and with the said Assignees, their successors and assigns, that whenever their counsel or representative, or the counsel or representative of their successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with said application or invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of said Letters Patent is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or continuation or extension of the same, and will do all acts necessary or required to secure to the said Assignees, their successors, and assigns, the title to and full benefit of all rights hereby assigned, without charge to said Assignees or their successors or assigns, but at their expense:

AND the Commissioner of patents and Trademarks is requested to issue the said Letters Patent, when granted, in accordance with this sale and

assignment.

For the consideration aforesaid, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto the said Assignees, their successors, and assigns, or the nominees of any of them, the entire right, title and interest in and to any and all Letters Patent for said invention, which may be granted in countries foreign to the United States, and in and to any applications for Letters Patent, which may be filed for said invention in countries foreign to the United States, and in and to the invention described in said applications; and we hereby authorize and empower said Assignees and their successors, assigns or nominees to apply for Letters Patent or other form of protection on said invention in their own name or in the name of their successors, assigns or nominees, in any or all countries where they may desire to file such application, and where said application may be filed by another than the inventor; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, execute all rightful affidavits, and do all acts necessary or required to be done for the procurement and maintenance of Letters Patent or other form of protection for said invention in countries foreign to the United States, and for further investing or confirming the right and title thereto in the Assignees, their successors, assigns or nominees, without charge to said Assignees, their successors, assigns or nominees, but at their expense.

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: October 23, 2000

Masao Kasahara
Masao KASAHARA, inventor

I declare under penalty of perjury under the laws of the United States of America that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: October 23, 2000

Yasuyuki Murakami
Yasuyuki MURAKAMI, inventor